

## ABSTRACT OF THE DISCLOSURE

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The process comprises: introducing organic material to  
5 be pyrolyzed into a reactor having a substantially  
hermetically sealed heatable chamber containing at least  
one rotatable endless screw heated by the Joule effect  
receiving the material, heating the organic material to a  
temperature between 200°C and 800°C, preferably between  
10 300°C and 400°C, so as to cause the pyrolysis during its  
movement, under the influence of the rotation of the at  
least one screw and to extract the consumed material and  
the smoke products from the chamber.